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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hoeffler et al. Art Unit: 1641
Application No.: 09/245,615 Examiner: Cook, L.V.
Filed: February 4, 1999 Conf. No.: 5087
Title: MICROARRAYS AND USES THEREFOR

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL SHEET

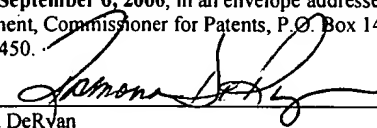
• Sir:

Attached herewith for the above-identified application please find:

1. Information Disclosure Statement (2 pgs.);
2. Form PTO-SB/08 (15 pgs.);
3. One hundred thirty-one (131) References;
4. Check number 583165 in the amount of \$180.00
5. Return Receipt

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on September 6, 2006, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Ramona DeRyan

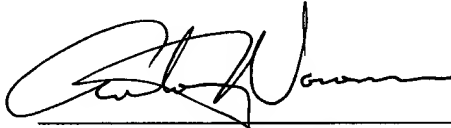
In re Application of;
Hoeffler et al.
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PATENT
Atty Docket No.: INVIT1100-1

A check in the amount of \$180.00 is enclosed as payment for the Information Disclosure Statement. No other fee is believed to be due in connection with this submission. However, the Commissioner is hereby authorized to charge any other fees associated with the filing submitted herewith, or credit any overpayments to Deposit Account No. 07-1896 referencing the above-identified attorney docket number. A duplicate copy of this Transmittal sheet is enclosed.

Respectfully submitted,

Date: September 6, 2006



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Attorney Docket No.: INVIT1100-1

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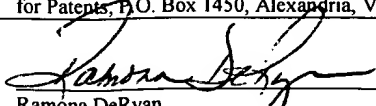
INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, the references are listed on the attached Form PTO-SB/08.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

09/11/2006 MBLAHC 00000001 09245615
01 FC:1806 180.00 OP

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U.S. PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A1	US2002-0007051 A1	01-2002	Cheo et al.	
	A2	US2002-0106702 A1	08-2002	Wagner et al.	
	A3	US2002-0110933 A1	08-2002	Wagner et al.	
	A4	US2002-0119579 A1	08-2002	Wagner et al.	
	A5	US2002-0132272 A1	09-2002	Wagner et al.	
	A6	US2002-0164656 A1	11-2002	Hoeffler et al.	
	A7	US2002-106702 A1	08-2002	Wagner et al.	
	A8	US2002-110933 A1	08-2002	Wagner et al.	
	A9	US2002-119579 A1	08-2002	Wagner	
	A10	US2002-132272 A1	09-2002		
	A11	US2002-164656 A1	11-2002	Hoeffler et al.	
	A12	US2003-0003599 A1	01-2003	Wagner et al.	
	A13	US2003-0017149 A1	01-2003	Hoeffler et al.	
	A14	US2003-0073811 A1	04-2003	Kozlowski et al.	
	A15	US2003-0073811 A1	04-2003	Kozlowski et al.	
	A16	US2003-0207467 A1	11-2003	Snyder et al.	
	A17	US2004-0024151 A1	02-2004	Becker et al.	
	A18	US2004-0241751 A1	12-2004	Wagner, Peter ; et al.	
	A19	US2004-0248323 A1	12-2004	Zhou et al.	
	A20	US2005-0008674 A1	01-2005	Wagner et al.	
	A21	US2005-0014292 A1	01-2005	Wagner et al.	
	A22	US2005-0026215 A1	02-2005	Predki et al.	

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List of Patents and Publications for Applicant's

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INFORMATION DISCLOSURE STATEMENT

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Filing Date:
February 4, 1999Group:
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U.S. PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A23	US2005-0095646 A1	05-2005	Sherman	
	A24	US2005-0100947 A1	05-2005		
	A25	US2005-0118665 A1	06-2005	Zhou et al.	
	A26	US2005-0182242 A1	08-2005	Snyder et al.	
	A27	US2005-0233473 A1	10-2005	Cicero et al.	
	A28	US2005-0244854 A1	11-2005	Cahill et al.	
	A29	US2006-0035387	02-2006	Wagner et al.	
	A30	US2006-0035387 A1	02-2006	Wagner et al.	
	A31	4,071,409	01-1978	Messing et al.	
	A32	4,562,157	12-1985	Lowe et al.	
	A33	4,690,715	09-1987	Allara et al.	
	A34	4,722,896	02-1988	Kadish et al.	
	A35	4,728,591	03-1988	Clark et al.	
	A36	4,802,951	02-1989	Clark et al.	
	A37	4,894,146	01-1990	Giddings	
	A38	4,908,112	03-1990	Pace	
	A39	4,973,493	11-1990	Guire	
	A40	4,987,032	01-1991	Miyasaka et al.	
	A41	5,079,600	01-1992	Schnur et al.	
	A42	5,096,807	03-1992	Leaback et al.	
	A43	5,154,808	10-1992	Miyasaka et al.	
	A44	5,160,597	11-1992	Colapicchioni et al.	
	A45	5,242,828	09-1993	Bergstrom et al.	

EXAMINER:

DATE CONSIDERED:

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(Use several sheets if necessary)

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U.S. PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A46	5,252,743	10-1993	Barrett et al.	
	A47	5,294,369	03-1994	Shigekawa et al.	
	A48	5,296,114	03-1994	Manz et al.	
	A49	5,304,487	04-1994	Wilding et al.	
	A50	5,342,692	08-1994	Ribi	
	A51	5,348,886	09-1994	Lee et al.	
	A52	5,376,252	12-1994	Ekstrom et al.	
	A53	5,384,261	01-1995	Winkler et al.	
	A54	5,405,766	04-1995	Kallury et al.	
	A55	5,405,783	04-1995	Pirrung et al.	
	A56	5,412,087	05-1995	Mc.Gall et al.	
	A57	5,429,708	07-1995	Linford et al.	
	A58	5,429,807	07-1995	Matson et al.	
	A59	5,432,099	07-1995	Ekins	
	A60	5,441,876	08-1995	Singh et al.	
	A61	5,445,934	08-1995	Fodor et al.	
	A62	5,466,589	11-1995	Olinger et al	
	A63	5,472,881	12-1995	Beebe et al.	
	A64	5,506,121	04-1996	Skerra et al.	
	A65	5,510,270	04-1996	Fodor et al.	
	A66	5,512,131	04-1996	Kumar et al.	
	A67	5,512,492	04-1996	Herron et al.	
	A68	5,514,501	05-1996	Tarlov	

EXAMINER:

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Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A69	5,516,635	05-1996	Ekins et al.	
	A70	5,520,787	05-1996	Hanagan et al.	
	A71	5,532,128	07-1996	Eggers	
	A72	5,545,531	08-1996	Rava, et al.	
	A73	5,571,410	11-1996	Swedberg et al.	
	A74	5,593,838	1-1997	Zanzucchi et al.	
	A75	5,603,351	02-1997	Cherukuri et al.	
	A76	5,620,850	04-1997	Bamdad et al.	
	A77	5,622,826	04-1997	Varma	
	A78	5,624,711	04-1997	Sundberg et al.	
	A79	5,629,213	05-1997	Kornuth et al.	
	A80	5,635,358	06-1997	Wilding et al.	
	A81	5,637,469	06-1997	Wilding et al.	
	A82	5,643,948	07-1997	Driedger et al.	
	A83	5,665,582	09-1997	Kausch et al.	
	A84	5,677,195	10-1997	Winkler et al.	
	A85	5,677,196	10-1997	Herron et al.	
	A86	5,681,484	10-1997	Zanzucchi et al.	
	A87	5,688,642	11-1997	Chriseyet al.	
	A88	5,700,642	12-1997	Monforte et al.	
	A89	5,719,060	02-1998	Hutchens et al.	
	A90	5,726,026	03-1998	Wilding et al.	
	A91	5,731,152	03-1998	Maracas et al.	
	A92	5,741,700	04-1998	Ershov et al.	
	A93	5,756,355	05-1998	Lnag et al.	

EXAMINER:

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Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A94	5,763,170	06-1998	Raybuck	
	A95	5,766,908	06-1998	Klein et al.	
	A96	5,776,674	07-1998	Ulmer	
	A97	5,776,706	07-1998	Siiman et al.	
	A98	5,776,748	07-1998	Singhvi, et al.	
	A99	5,807,755	09-1998	Ekins	
	A100	5,814,565	09-1998	Reichert et al.	
	A101	5,827,658	10-1998	Liang	
	A102	5,834,319	11-1998	Ekins	
	A103	5,837,551	11-1998	Ekins	
	A104	5,837,832	11-1998	Chee et al.	
	A105	5,851,840	12-1998	Sluka et al.	
	A106	5,854,018	12-1998	Hitzeman et al.	
	A107	5,858,188	01-1999	Soane et al.	
	A108	5,861,242	01-1999	Chee et al.	
	A109	5,866,345	02-1999	Wilding et al.	
	A110	5,866,363	02-1999	Piecznik	
	A111	5,874,219	02-1999	Rava, et al.	
	A112	5,885,793	03-1999	Griffiths et al.	
	A113	5,905,024	05-1999	Mirzabekov et al.	
	A114	5,919,523	07-1999	Sundberg et al.	
	A115	5,922,594	07-1999	Lof.ang.s	
	A116	5,922,617	07-1999	Wang et al.	
	A117	5,925,552	07-1999	Keogh et al.	
	A118	5,928,880	07-1999	Wilding et al.	
	A119	5,942,443	08-1999	Parce et al.	
	A120	5,945,334	08-1999	Fodor et al.	
	A121	5,981,734	11-1999	Mirzabekov et al.	

EXAMINER:

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U.S. PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A122	6,001,607	12-1999	Tang , et al.	
	A123	6,040,193	3/21/00	Winkler , et al.	
	A124	6,051,380	04-2000	Sosnowski , et al.	
	A125	6,064,754	05-2000	Parekh , et al.	
	A126	6,066,448	05-2000	Wohlstadter	
	A127	6,083,763	07-2000	Balch	
	A128	6,087,102	07-2000	Chenchik et al.	
	A129	6,087,103	07-2000	Burmer	
	A130	6,090,545	07-2000	Wohlstadter	
	A131	6,103,479	08-2000	Taylor	
	A132	6,107,059	08-2000	Hart	
	A133	6,121,048	09-2000	Zaffaroni et al.	
	A134	6,140,045	10-2000	Wohlstadter	
	A135	6,190,908	02-2001	Kang	
	A136	6,225,047	05-2001	Hutchens , et al.	
	A137	6,232,066	05-2001	Felder et al.	
	A138	6,303,344	10-2001	Patten et al.	
	A139	6,316,186	11-2001	Ekins	
	A140	6,329,209	12-2001	Wagner, et al.	
	A141	6,346,413	02-2002	Fodor et al.	
	A142	6,350,369	02-2002	Lewis , et al.	
	A143	6,365,418	04-2002	Wagner et al.	
	A144	6,391,625	05-2002	Park et al.	
	A145	6,399,365	06-2002	Besemer , et al.	
	A146	6,403,320	06-2002	Read , et al.	
	A147	6,406,840	06-2002	Li et al.	
	A148	6,406,921	06-2002	Wagner, et al.	
	A149	6,416,952	07-2002	Pirrung , et al	

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	A150	6,440,662	08-2002	Gerwen et al.	
	A151	6,454,924	09-2002	Jedrzejewski et al.	
	A152	6,475,808	11-2002	Wagner et al.	
	A153	6,475,809	11-2002	Wagner et al.	
	A154	6,476,215	11-2002	Okamoto et al.	
	A155	6,544,739	04-2003	Fodor, et al.	
	A156	6,565,045	05-2003	Correge et al.	
	A157	6,576,478	06-2003	Wagner et al.	
	A158	6,582,969	06-2003	Wagner et al.	
	A159	6,596,545	07-2003	Wagner et al.	
	A160	6,600,031	07-2003	Fodor, et al.	
	A161	6,610,482	08-2003	Fodor, et al.	
	A162	6,630,358	10-2003	Wagner et al.	
	A163	6,682,942	01-2004	Wagner et al.	
	A164	6,692,751	02-2004	Zebedee, et al.	
	A165	6,699,665	02-2004	Kim et al.	
	A166	6,720,157	04-2004	Indermuhle, et al.	
	A167	6,780,582	08-2004	Wagner et al.	
	A168	6,790,940	09-2004	Zentgraf et al.	
	A169	6,897,073	05-2005	Wagner et al.	
	A170	6,919,211	07-2005	Fodor, et al.	
	A171	6,943,034	09-2005	Winkler, et al.	
	A172	6,960,457	11-2005	Spudich, et al.	

FOREIGN PATENT DOCUMENTS

Examine r Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T
	B1	DE19543232 A	11-1995	Ermantraut et al.		*
	B2	DE3939973 A	12-1989	Fuchs et al.		*
	B3	EP0596421 A	10-1993	Barner et al.		*

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	B4	EP0619321	12-1994	Affymax Tech		
	B5	EP0664452 A2	07-1995	Sluka et al.		*
	B6	EP0780423 A	12-1996	Sluka et al.		*
	B7	EP0818467	01-1998	Miwa et al.		
	B8	EP0972564	01-2000	Winkler et al.		
	B9	EP1086742	03-2001	Buchko et al.		
	B10	JP02272081	11-1990	Miyaska		*
	B11	JP6041183	02-1994	Debitsudo		*
	B12	JP7084372	03-1995	Ichinose		*
	B13	WO 00/06770	02-2000	Balasubramanian et al.		
	B14	WO 00/07024	02-2000	Wildsmith et al.		
	B15	WO 00/20475	04-2000	Sutherland et al.		
	B16	WO 91/16425	10-1991	Sigrist et al.		*
	B17	WO 92/10588	06-1992	Fodor et al.		
	B18	WO 93/12248	06-1993	Spencer et al.		
	B19	WO 95/08770	03-1995	Seeger et al.		
	B20	WO 96/02830	02-1996	Sartore et al.		
	B21	WO 96/29629	09-1996	Whitesides et al.		
	B22	WO 96/38726	12-1996	Heyse et al.		
	B23	WO 96/39937	12-1996	Ferrari et al.		
	B24	WO 97/32017	09-1997	Ilag et al.		
	B25	WO 97/33737	09-1997	Kim Enoch et al.		
	B26	WO 97/36681	10-1997	Woudenberg et al.		
	B27	WO 97/41424	11-1997	Lennox et al.		
	B28	WO 97/41425	11-1997	Lennox et al.		
	B29	WO 97/42507	11-1997	Esnouf et al.		
	B30	WO 98/23948	06-1998	Boxer et al.		
	B31	WO 98/27229	06-1998	Mirzabekov et		

EXAMINER:

DATE CONSIDERED:

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List of Patents and Publications for Applicant's

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Art Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T
				al.		
	B32	WO 98/39481	09-1998	Anderson et al.		
	B33	WO 98/43086	10-1998	Everhart et al.		
	B34	WO 98/50773	11-1998	Charych et al.		
	B35	WO 98/59361	12-1998	Hutchens et al.		
	B36	WO 99/11777	03-1999	Bivation Limited		
	B37	WO 99/28502	06-1999	Hoeffler		
	B38	WO 99/39210	08-1999	Humphrey-Smith Ian		
	B39	WO 99/40434	08-1999	Hoeffler et al.		
	B40	WO 99/45130	09-1999	Clark et al.		
	B41	WO 99/57312	11-1999	Cahill et al		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C1	Arenkov et al. "Protein microchips: use for immunoassay and enzymatic reactions. Anal Biochem. 2000 Feb 15;278(2):123-31.	
	C2	Baecher-Allan et al., "Differential epitope expression of Ly-48 (mouse leukosialin). ", Immunogenetics. 1993;37(3):183-92.	
	C3	Becker et al. "Fabrication of microstructures with high ratios and great structural heights by synchrotron radiation lithography, galvanofforming, and plastic moulding (LIGA process)" Microelectronic Engineering 4:35-56 (1986)	
	C4	Becker et al. "Production of separation -nozzle systems for uranium enrichment by a combination of x-ray lithography and galvanoplastics" Naturwissenschaften 69:520-523 (1982)	
	C5	Bielke et al., "Characterization of a novel murine testis-specific serine/threonine kinase." Gene. 1994 Feb 25;139(2):235-9.	
	C6	Bieri et al. "Micropatterned immobilization of a G protein-coupled receptor and direct detection of G protein activation." Nat Biotechnol. 1999 Nov;17(11):1105-8.	
	C7	Bussow K, Cahill D, Nietfeld W, Bancroft D, Scherzinger E, Lehrach H, Walter G. "A method for global protein expression and antibody screening on high-density filters of an arrayed cDNA library." Nucleic Acids Res. 1998 Nov 1;26(21):5007-8.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH
CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.GT6502710.1
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C8	Cha et al. Expression of fused protein, human interleukin-2 simplified as a fusion with green fluorescent protein, in suspended Sf-9 insect cells" J. Biotechnology 69, 9-17 (1999). Early work presented at " Annual Meeting of The American Institute of Chemical Engineers, Los Angeles, CA, " Nov. 1997	
	C9	Chesnut JD, Baytan AR, Russell M, Chang MP, Bernard A, Maxwell IH, Hoeffler JP. Selective isolation of transiently transfected cells from a mammalian cell population with vectors expressing a membrane anchored single-chain antibody. J Immunol Methods. 1996 Jun 14;193(1):17-27.	
	C10	Clark et al., "Construction and analysis of arrayed cDNA libraries." " , Methods Enzymol.;303, 205-33 1999.	
	C11	Cload et al. "Development of improved tRNAs for in vitro biosynthesis of proteins containing unnatural amino acids" Chemistry & Biology 3:1033-1038 (1996)	
	C12	Cohen et al., "A microchip-based enzyme assay for protein kinase A." Anal Biochem. 1999 Aug 15;273(1):89-97.	
	C13	Collioud et al. (1993). Oriented and covalent immobilization of target molecules to solid supports: Synthesis and application of a light-activatable and thiol-reactive cross-linking reagent. Bioconjugate Chem. 4:528-536.	
	C14	Condra et al. "In vivo emergence of HIV-1 variants resistant to multiple protease inhibitors" Nature 374:569-571 (1995)	
	C15	Copeland CS, Snyder M. Nuclear pore complex antigen delineate nuclear envelope dynamics in vegetative and conjugating Saccharomyces cerevisiae. Yeast. 1993 Mar;9(3):235-49. PMID: 8488725	
	C16	Couchman et al., "p53lyn and p56lyn: a new signaling pathway in human endometrium and endometrial adenocarcinomas." J Soc Gynecol Investig. Mar-Apr;4(2):103-9. (1997)	
	C17	Dammer et al., "Specific antigen/antibody interactions measured by force microscopy" Biophysical Journal, 70:2437-2441 (1996)	
	C18	Davies and Benzer: Generation of cDNA expression libraries enriched for in-frame sequences" PNAS v. 94, 2128-2132, 1997	
	C19	Dawson et al., "Peptide-derived self-assembled monolayers: adsorption of N-stearoyl l-Cysteine methyl ester on gold," Journal of Molecular Recognition, 10:18-25 (1997).	
	C20	Duschl et al., "Surface engineering: optimization of antigen presentation in self-assembled monolayers," Biophysical Journal, 70:1985-1995 (1996).	
	C21	Dzgoev et al "Microformat imaging ELISA for pesticide determination" Anal. Chem. 68(19):3364 (1996)	
	C22	Ekins "Ligand assays" from electrophoresis to miniaturized microarrays Clin. Chem. 44(9):2015-2030 (1998)	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C23	Ellman et al. "Biosynthetic methods for introducing unnatural amino acids site-specifically into proteins" Methods in Enzymology 202:301-336 (1991)	
	C24	Emili et al. "Large-scale functional analysis using peptide or protein arrays." Nat Biotechnol. 2000 Apr;18(4):393-7. Review.	
	C25	Ganz et al., "Characterization of plasminogen binding to human capillary and arterial endothelial cells.", Biochem Cell Biol. 1991 Jul;69(7):442-8.	
	C26	Geohegan et al. "Fluorescence-based continuous assay for the aspartyl protease of human immunodeficiency virus-1" FEBS 262:119-122 (1990)	
	C27	Gottlieb P, Nasoff MS, Fisher EF, Walsh AM, Caruthers MH. Binding studies of SV40 T-antigen to SV40 binding site II. Nucleic Acids Res. 1985 Sep 25;13(18):6621-34.	
	C28	Hanks et al. "T. protein Kinases 6. The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification. FASEB J. 9, 576-596 (1995).	
	C29	Hegner et al., "Immobilizing DNA on gold via thiol modification for atomic force microscopy imaging in buffer solutions," FEBS, 336(3):452-456 (1993)	
	C30	Hegner et al., "Modified DNA immobilized on bioreactive self-assembled monolayer on gold for dynamic force microscopy imaging in aqueous buffer solution," J. Vac. Sci. Technol. B, 14(2):1418-1421 (1996)	
	C31	Hegner et al., "Ultralarge atomically flat template-stripped Au surfaces for scanning probe microscopy," Surface Science, 291:39-46 (1993)	
	C32	Ho et al. "Characterization of human immunodeficiency virus type 1 variants that encode viral proteases with decreased sensitivity to an inhibitor of the viral protease" Journal of Virology 68:2016-2020 (1994)	
	C33	Hochuli et al. "Genetic approach to facilitate purification of recombinant proteins with a novel metal chelate adsorbent" Biotechnology 6:1321-1325 (1988)	
	C34	Hunter, T., & Plowman, G. D. The protein kinases of budding yeast: six score and more. TIBS 22, 18-22 (1997).	
	C35	Jacobson et al. "Fused quartz substrates for microchip electrophoresis" Anal. Chem. 67:2059-2063	
	C36	Jones et al. "Microminiaturized immunoassays using atomic force microscopy and compositionally patterned antigen arrays" Anal. Chem. 70(7):1223-1241 (1998)	
	C37	Kane et al. "Patterning proteins and cells using soft lithography." Biomaterials. 1999 Dec;20(23-24):2363-76. Review.	
	C38	Kaplan et al. "Selection of multiple human immunodeficiency virus type 1 variants that encode viral proteases with decreased sensitivity to an inhibitor of the viral inhibitor" Proc. Natl. Acad. Sci. USA 91:5597-5601 (1994)	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C39	Kemeny "Enzyme-linked immunoassays" In Immuno Chemistry 1 (eds Johnstone and Turner) p 147-175 (11/97)	
	C40	Korant et al. "The HIV protease and therapies for aids" Adv. in Experimental Med. and Biol 421:279-284 (1997)	
	C41	Kricka "Miniaturization of analytical systems" Clin. Chem. 44(9):2008-2014 (1998)	
	C42	Lehrach et al., "High-throughput tools for gene identification and functional gene analysis", Nucleic Acid Symp. Ser./Proceedings of the 1988 Miami Bio/Technology Winter Symposium; Feb. 7-11, 19998. v.38, 7-10, 1998	
	C43	Lemmo et al. "Characterization of inkjet chemical microdispenser for combinatorial library synthesis" Anal. Chem. 69:543:551 (1997)	
	C44	Linford et al., "Alkyl monolayers on silicon prepared from 1-alkenes and hydrogen- terminated silicon," J. Am. Chem. Soc., 117:3145-3155 (1995)	
	C45	Loeb et al. "Complete mutagenesis of the HIV-1 protease" Nature 340:397-400 (1989)	
	C46	Louis et al. "Autoprocessing of the HIV-1 protease using purified wild-type and mutated fusion proteins expressed at high levels in Eschericia coli" Eur. J. Biochem. 199:361-369 (1991)	
	C47	Lueking et al., "Protein microarrays for gene expression and antibody screening," Anal Biochem. 1999 May 15;270(1):103-11.	
	C48	Maier et al., "Automated array technologies for gene expression profiling", Drug Discovery Today, 2(8), 315-324, (1997)	
	C49	Marks et al. "By-passing immunization-Human antibodies from V-gene libraries displayed on phage" J. Mol. Biol. 222:581-597 (1991)	
	C50	Marshall et al., "DNA chips: an array of possibilities." Nat Biotechnol. 1998 Jan;16(1):27- 31.	
	C51	Martynova et al. "Fabricating of plastic microfluid channels by imprinting methods" Anal. Chem. 69:4783-47-89 (1997)	
	C52	Maskos et al., "Oligonucleotide hybridizations on glass supports: a novel linker for oligonucleotide synthesis and hybridization properties of oligonucleotides synthesised in situ", Nucleic Acids Res. 1992 Apr 11;20(7):1679-84.	
	C53	Mauracher et al. Reduction of rubella ELISA background using heat denatured sample buffer. J. Immunol. Methods. 145:251-254, 1991	
	C54	Moore et al. "Peptide substrates and inhibitors of HIV-1 protease" Biochem. Biophys. Res. Com. 159:420-425 (1989)	
	C55	Mrksich et al., "Controlling cell attachment on contoured surfaces with self-assembled	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
		monolayers of alkanethiolates on gold," Proc. Natl. Acad. Sci. USA, 93:10775-10778 (1996)	
	C56	Nock, "Reversible, site-specific immobilization of polyarginine-tagged fusio proteins on mice surfaces," FEBS, 414-233-238 (1997)	
	C57	Noren et al. "A general method for site-specific incorporation of unnatural amino acids into proteins" Science 244:182-188 (1989)	
	C58	Pale-Grosdemange et al. "Formation of self-assembled monolayers by chemisorption of derivatives of oligo(ethylene glycol) of structure HS(CH ₂) ₁₁ (OCH ₂ CH ₂)mOH on gold" J. Am. Chem. Soc. 113(1)12-20 (1991)	
	C59	Pandey et al. "Proteomics to study genes and genomes." Nature. 2000 Jun 15;405(6788):837-46. Review.	
	C60	Pennington et al., Trends in Cell Biology, 7(7): 168-173 (1997)	
	C61	Peraldi et al. "Protein-tyrosine-phosphatase 2C is phosphorylated and inhibited by 44-kDa mitogen-activated protein kinase." Proc Natl Acad Sci U S A. 1994 May 24;91(11):5002-6.	
	C62	Pham, et al. "Human Interleukin-2 Production in Insect (Trichoplusia ni) Larvae: Effects and Partial Control of Proteolysis", Biotechnology and Bioengineering vol. 62(2) pp. 175-182; Jan. 20, 1999.	
	C63	Prime et al., "Self-assembled organic monolayers: model systems for studying absorption of proteins at surfaces," Science, 252:1164-1167 (1991)	
	C64	Ramsay G., "DNA chips: state-of-the art.", Nat Biotechnol. 1998 Jan;16(1):40-4.	
	C65	Roberts et al. "Rationale design of peptide-based HIV proteinase inhibitors" Science 248:358-361 (1990)	
	C66	Rowe et al. "Array biosensor for simultaneous identification of bacterial, viral and protein analytes" Anal. Chem. 71(17):3846-3852 (1999)	
	C67	Schock et al. "Mutational anatomy of an HIV-1 protease variant conferring cross-resistance to protease inhibitors in clinical trials" J. Biol. Chem. 271:31957-31963 (1996)	
	C68	Scholler et al., "Fine-mapping of shotgun template-libraries; an efficient strategy for the systematic sequencing of genomic DNA.", Nucleic Acids Res. 1995 Oct 11;23(19):3842-9.	
	C69	Sigal et al. "A self-assembled monolayer for the binding and study of histidine-tagged proteins by surface plasmon resonance." Anal. Chem. 68:490-497 (1996)	
	C70	Silzel et al. "Mass-sensing, multianalyte microarray immunoassay with imaging detection" Clin. Chem. 44(9):2036-2043 (1998)	
	C71	Singhvi et al., "Engineering cell shape and function", Science, 264:696-698 (1994)	
	C72	Skalka: Retroviral proteases: first glimpses at the anatomy of a processing machine Cell 56:911-913 (1989)	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
	C73	Stennicke et al., "Biochemical characteristics of caspases-3, -6, -7, and -8," The Journal of Biological Chemistry, 272:25719-25723 (1997)	
	C74	Stern, D. F., Zheng, P., Beidler, D. R., and Zerillo, C. Spk1, a new kinase from Saccharomyces cerevisiae phosphorylates protein on serine, threonine, and tyrosine. Mol. Cell. Biol. 11, 987-1001 (1991).	
	C75	Sundberg et al., "Spatially-addressable immobilization of macromolecules on solid supports," J. Am. Chem. Soc., 117:12050-12057 (1995)	
	C76	Talanian et al. "Substrate specificities of caspases family proteases" J. Biol. Chem. 272:9677-9682 (1997)	
	C77	Thornberry "Interleukin-1beta converting enzyme" Meth. Enzymology 244:615-631 (1994)	
	C78	Villa et al. "Caspases and caspase inhibitors" TIBS 22:388-393 (1997)	
	C79	Wagner et al., ".omega.-functionalized self-assembled monolayers chemisorbed on ultraflat Au(111) surfaces for biological scanning probe microscopy in aqueous buffers," J. Vac. Sci. Technol. B 14(2):1466-1471 (1996)	
	C80	Wagner et al., "Bioreactive self-assembled monolayers on hydrogen-passivated Si(111) as a new class of atomically flat substrates for biological scanning probe microscopy," Journal of Structural Biology, 119:189-201 (1997)	
	C81	Wagner et al., "Covalent immobilization of native biomolecules onto Au(111) via N-hydroxysuccinimide ester functionalized self-assembled monolayers for scanning probe microscopy," Biophysical Journal, 70:2052-2066 (1996)	
	C82	Wagner et al., "Formation and in Situ modification of monolayers chemisorbed on ultraflat template-stripped gold surfaces," Langmuir, 11(10):3867-3875 (1995)	
	C83	Weiner et al. "Site-directed mutagenesis of double-stranded DNA by the polymerase chain reaction" Gene 151:119-123 (1994)	
	C84	Wilson et al., "Structure and mechanism of interleukin-1.beta. converting enzyme," Nature, 370:270-275 (1994)	
	C85	Wondrak et al. "Influence of flanking sequences on the dimer stability of human immunodeficiency virus type 1 protease" Biochemistry 35:129557-12962 (1996)	
	C86	Woo et al., Methods in Enzy,mology, Vol. 68, 389-395, 1979.	
	C87	Wu et al. "Structural basis for a specificity of retroviral proteases" Biochemistry 37:4518-4526 (1998)	
	C88	Xie K, Lambie EJ, Snyder M. Nuclear dot antigen may specify transcriptional domains in the nucleus.Mol Cell Biol. 1993 Oct;13(10):6170-9. PMID: 8413218	
	C89	Xie K, Snyder M., "Two short autoepitopes on the nuclear dot antigen are similar to epitopes	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (CAPITAL LETTERS), title of the article, title of the item (book, magazine, etc.) date, page(s), volume-issue number(s), city and or country where published.	T
		encoded by the Epstein-Barr virus.Proc Natl Acad Sci U S A. 1995 Feb 28;92(5):1639-43.	
	C90	Yang CH, Lambie EJ, Hardin J, Craft J, Snyder M. Higher order structure is present in the yeast nucleus: autoantibody probes demonstrate that the nucleolus lies opposite the spindle pole body.Chromosoma. 1989 Aug;98(2):123-8.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)